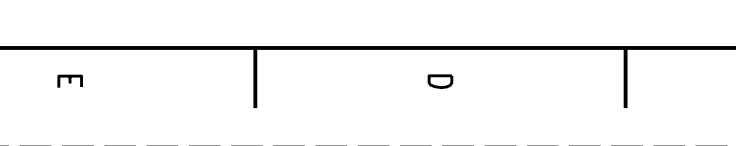
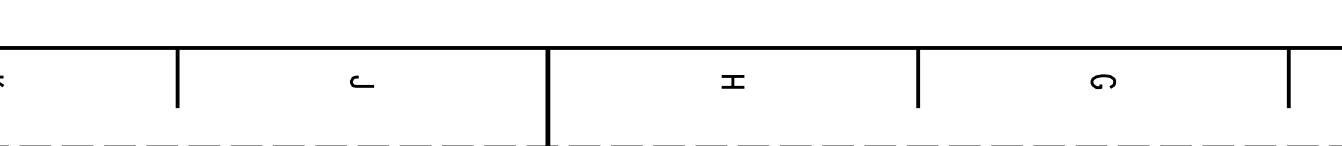
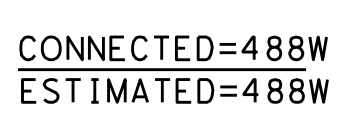
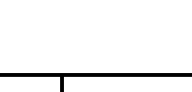
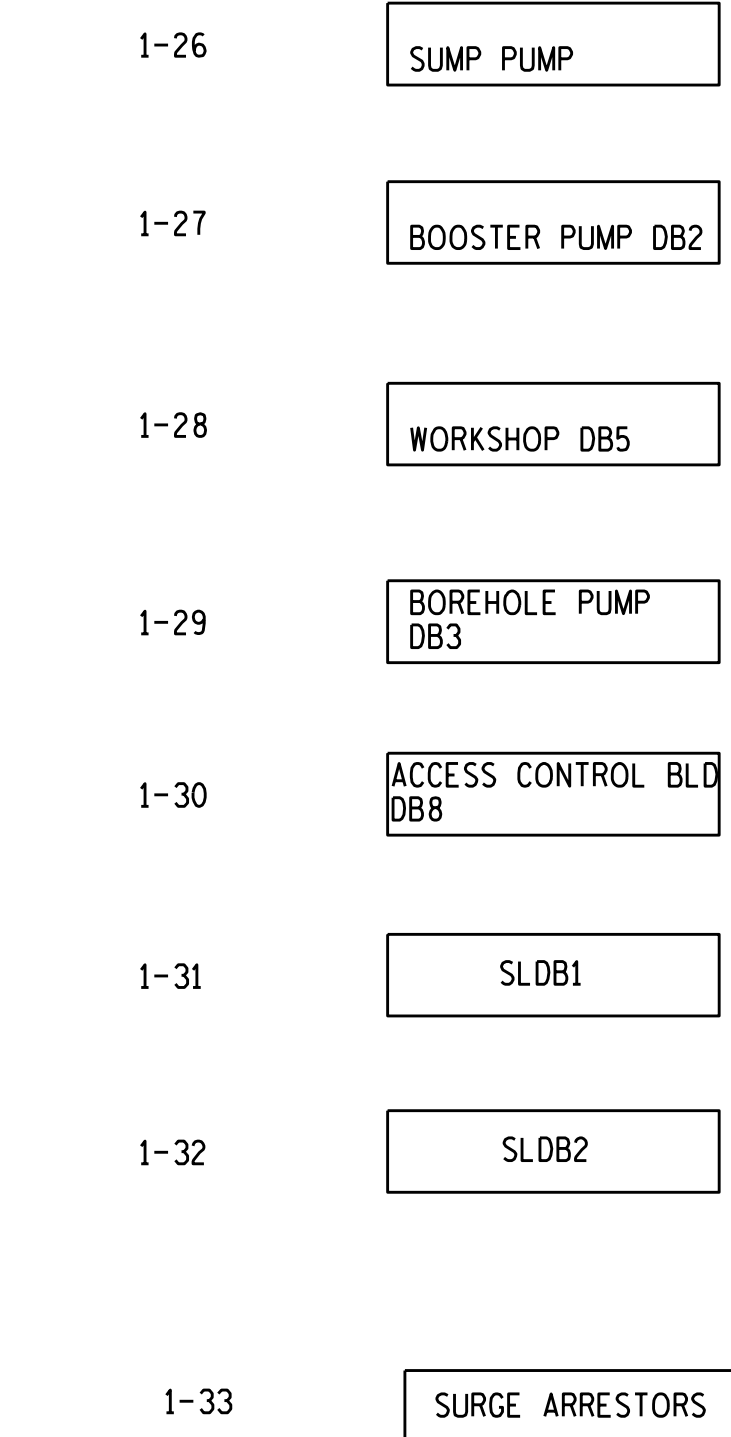
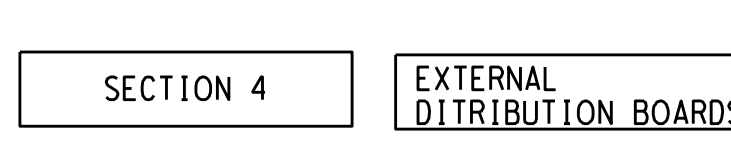
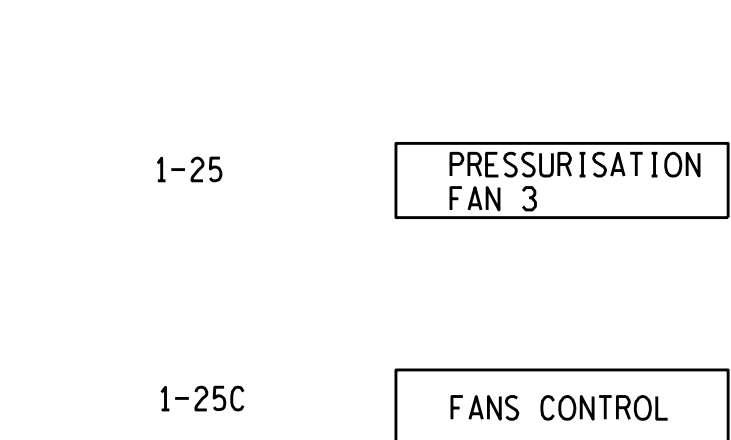
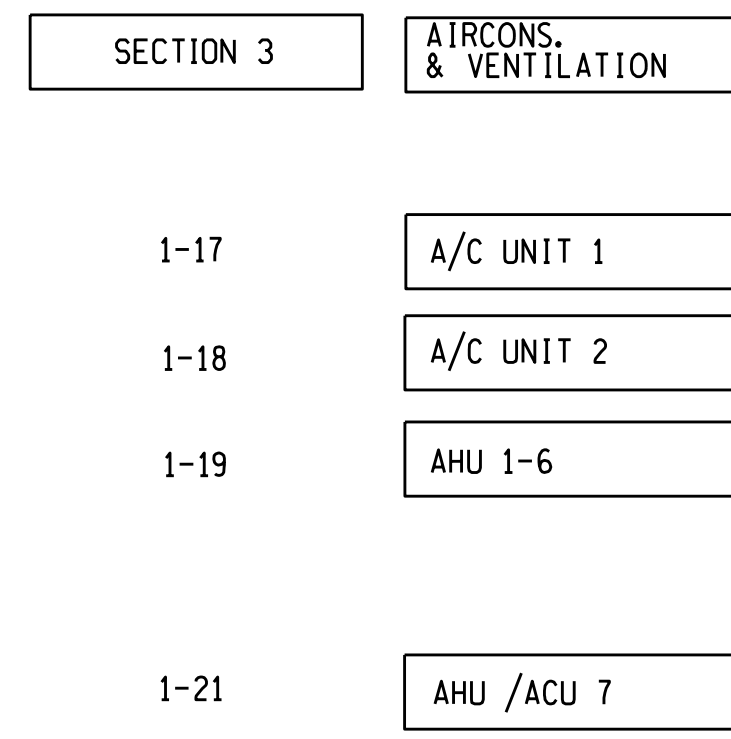
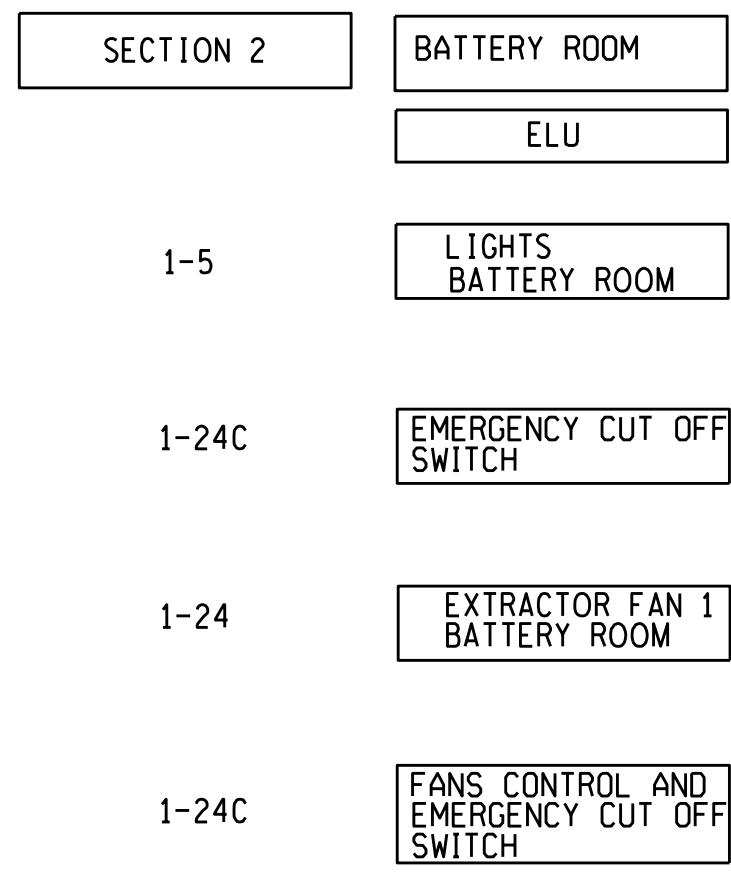
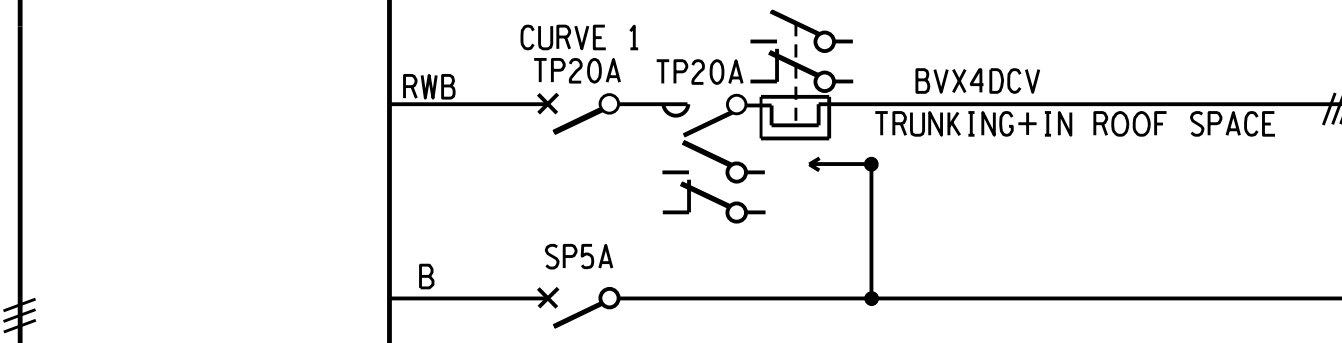
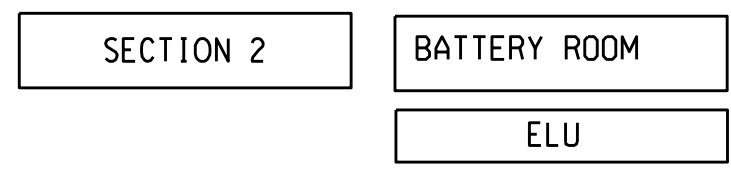
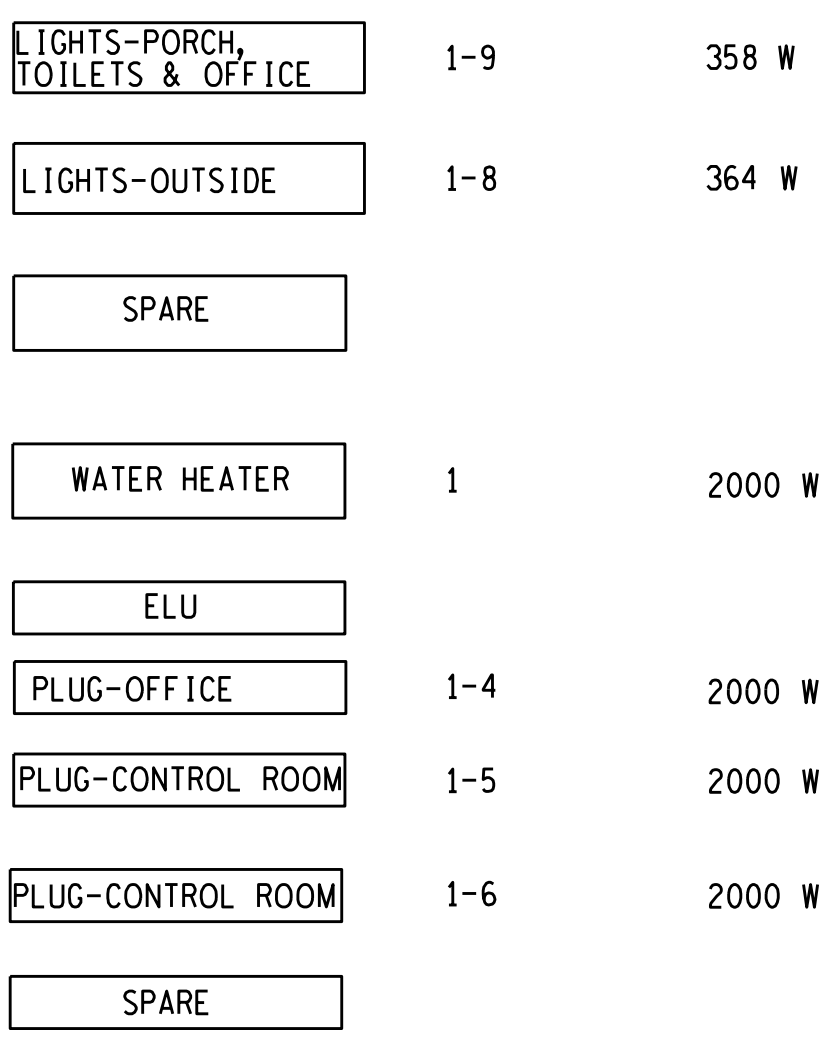
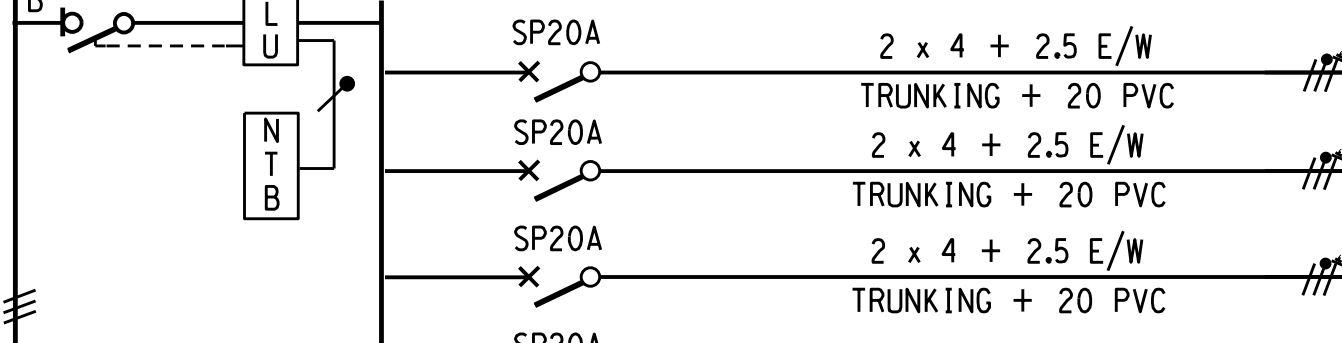
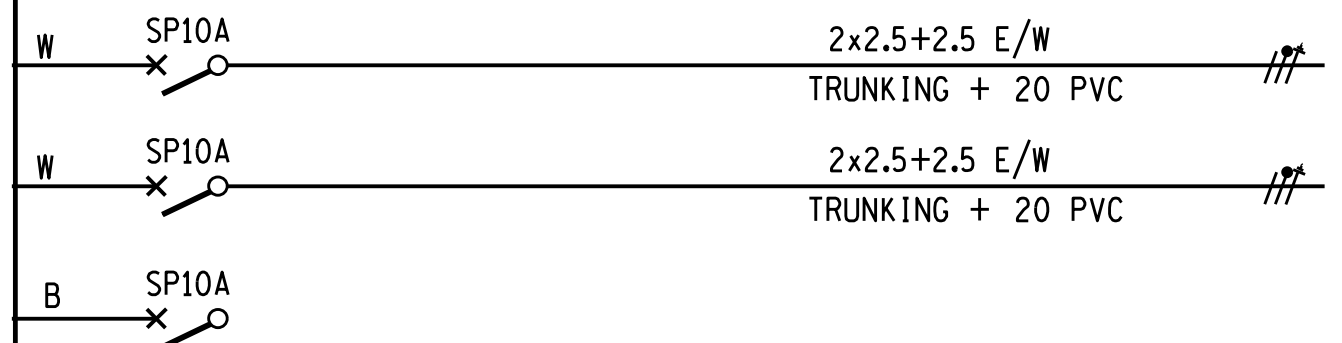








MAIN SWITCH	TOTAL: CONNECTED=72030W	
	TOTAL: ESTIMATED=67965W	
LIGHTS & PLUGS	CONNECTED=12500W	
	ESTIMATED=8435W	
LIGHT CONTROL: CONTROL ROOM		SP
LIGHT: CONTROL ROOM		→
LIGHTS-CONTROL RM	1-9	972 W
LIGHTS-CONTROL RM	1-9	972 W
LIGHTS-CONTROL RM	1-9	972 W
LIGHTS-CONTROL RM	1-8	864 W



1. DISTRIBUTION BOARDS SHALL BE IN ACCORDANCE WITH:
 - 1.1. SANS 1180
 - 1.2. SANS 1042
 - 1.3. MODEL PREAMBLES FOR TRADES, SECTION "S" ELECTRICAL WORK
2. TECHNICAL SPECIFICATION-ELECTRICAL WORK
3. GENERAL ARRANGEMENT FOR DBI
 - DBI-SECTION 1 - LIGHTS & PLUGS
 - DBI-SECTION 2 - BATTERY ROOM
 - DBI-SECTION 3 - AIRCONS & VENTILATION
 - DBI-SECTION 4 - EXTERNAL DISTRIBUTION BOARDS
4. FLOB - FLOODLIGHTING (SEPARATE SUPPLY TO DB)
5. DISTRIBUTION BOARD SHALL BE FREESTANDING TYPE FOR MOUNTING AGAINST THE WALL WITH THE SEGREGATION BETWEEN SECTIONS 1-4
6. ALL CIRCUITS BREAKERS WITH CURVE 2 TIME DELAY (WHITE HANDLE) EXCEPT AS INDICATED CURVE 1 TIME DELAY (ORANGE HANDLE)
7. BARKER NELSON HINGES, PANELS, FASTENERS, & PADLOCKABLE LEVER LOCK ARE RECOMMENDED.
8. SUFFICIENT SPACE SHALL BE ALLOWED BETWEEN BOTTOM/TOP OF TRAY & DEVICES FOR CABLE CLAND PLATES ON DB'S. ALL CABLE CLAND PLATES AND CABLE CLANDS SHALL BE SUPPLIED & INSTALLED BY CONTRACTOR
9. LOCAL SWITCHES SHALL BE SUPPLIED WITH HANDLE LOCK DEVICES FOR LOCKING IN THE OPEN POSITION USING 8 DIA PADLOCK WHEN PANEL IS REMOVED.
10. 7.5X1.5 SETS OF HANDLE LOCKING DEVICES SHALL BE SUPPLIED AT OUTGOING CIRCUITS FOR DB'S AS LOOSE ITEMS
11. ENGRAVING & LABELLING REQUIREMENTS SHALL BE AS SPEC AND REFERENCE DRAWINGS.
12. THE DB'S SHALL HAVE PROVISION FOR INCOMING/OUTGOING CABLES AND TRUNKING
13. ALL BUSES, TERMINALS ON LOCAL SWITCHES, AND CONNECTIONS SHALL BE SHROUDED ON THE FRONT & TOP USING DOLARUM MATERIAL
14. ALL BUSBARS SHALL BE SUPPORTED ON INSULATORS
15. THE CABLES USED FOR CONNECTIONS SHALL HAVE PVC INSULATION AND SHALL BE COLOURED RED, WHITE & BLUE AND NEUTRAL BLACK
16. ALL TERMINALS ON EQUIPMENT, NEUTRAL AND EARTH SHALL BE THE PRESSURE PLATE TYPE WITH CAPTIVE SCREWS
17. CRIMPING OF LUGS SHALL BE IN ACCORDANCE WITH BS4579 PART 1 AND BS6630
18. MANUFACTURER'S DRAWINGS & FACTORY INSPECTIONS:-
 - 18.1. LABELLING OF DB'S SHOWING THE VIEW WITH SECTION & EQUIPMENT ARRANGEMENT WITH TYPE, RATING, LABELS & GRANDS
 - 18.2. LABELLING OF DB'S SHOWING THE VIEW WITH SECTION & EQUIPMENT ARRANGEMENT WITH TYPE, RATING, LABELS & GRANDS
 - 18.3. PLATES SHALL BE SENT FOR APPROVAL BEFORE COMENCEMENT OF MANUFACTURE, ON THREE PHASE BOARDS THE CIRCUIT BREAKERS SHALL BE ARRANGED IN 3 ROWS (ONE ROW PER PHASE) WITH A SEGREGATION OF CIRCUITS SUPPLIED FROM SECTION C/B'S/ELU
19. LABELLING:
 - a. THE CONSECUTIVE NUMBERING FOR THE LABELLING UNDER THE DEVICES SHALL BE PROVIDED, THE LEGEND CARD SHALL BE SUPPLIED WITH THE BOARD WITH SUITABLE POCKETS ON THE INSIDE OF THE DOOR
 - b. FOR INFORMATION ON THE LEGEND CARD SEE DETAIL "A"
 - c. THE LEGEND CARD SHALL ALSO BE SHOWN ON THE MAKER'S DRAWING
20. THE TITLE BLOCK ON THE MAKER'S DRAWING SHALL BE AS PER DETAIL "B"
21. FACTORY INSPECTIONS:
 - a. THE DISTRIBUTION BOARDS SHALL BE INSPECTED BEFORE SHIPMENT
 - b. AN APPLICATION FOR THE INSPECTION SHALL BE SENT TO THE PROJECT MANAGER

-  CONTACTOR
-  CIRCUIT BREAKER
-  SWITCH-DISCONNECTOR
-  CABLE GLAND WITH EAR
-  EARTHSTUD
-  TERMINALS

DETAIL "B" TITLE BLOCK ON MAKER'S DRAWINGS

DETAIL 'A' LEGEND CARD - LABELS